Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/10/2016 11:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2016 10:14 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124537	-1	3.07	124440	3.15
Blue	F	SSC	125000	123982	-1	5.29	125087	5.36
Blue	E	FITC	17316	16598	-5	3.94	938	9.69
Blue	D	PE	22501	21725	-4	3.58	976	8.92
Blue	B	PerCP-Cy5-5	67647	67649	0	4.04	1785	13.67
Blue	A	PE-Cy7	80682	79856	-2	4.88	1047	25.51
Red	C	APC	64263	62615	-3	2.70	3532	8.50
Red	A	APC-Cy7	96129	95288	-1	2.74	1894	8.50
Violet	B	V450	11714	11112	-6	3.75	691	8.27
Violet	A	V500	48394	47488	-2	3.43	2685	6.16

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19135	4.59	597	8	N/A	N/A	Pass
Blue	F	SSC	61690	4.42	521	7	N/A	N/A	Pass
Blue	E	FITC	101	38.02	520	0	0.0241	229	Pass
Blue	D	PE	202	24.87	515	1	0.1570	110	Pass
Blue	B	PerCP-Cy5-5	216	40.19	611	4	0.0108	1	Pass
Blue	A	PE-Cy7	77	100.52	667	4	0.0143	8	Pass
Red	C	APC	329	27.51	589	4	0.0193	8	Pass
Red	A	APC-Cy7	119	39.16	569	4	0.0041	567	Pass
Violet	B	V450	73	40.73	459	3	0.0430	1466	Pass
Violet	A	V500	174	23.23	492	5	0.0129	259	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.49	-31.07	0.80
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.31
Red	15.34	13.28 - 19.92	N/A	N/A	31.47	31.89	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 11617

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments